

Last updated: July 12, 2022

Summary

Position Professor (Universidad EAFIT, Colombia)
Interests Bayesian Econometrics, Applied and Theory Econometrics, Impact Evaluation.
Citizenship Colombia

Education

2012 **Ph.D. in Statistics**
Dissertation, *Stationarity and unit roots in spatial autoregressive models*
Committee, Prof. Peter Diggle, Prof. Juan Duque and Prof. Ramón Giraldo
2007 **MSc. in Finance**
2003 **MSc. in Economics**
2000 **B.A. in Economics**

Academic Positions and Affiliations

2022 – Actual **Research Director**, *Research group in studies of economics and firms, Universidad EAFIT, Medellín (Colombia)*
2013 – 2021 **Professor**, *Department of Economics, Universidad EAFIT, Medellín (Colombia)*
2019 **Visiting Professor**, *Department of Economics, the University of Melbourne, Melbourne (Australia)*
2017 – 2018 **Research Fellow**, *Department of Econometrics and Business Statistics, Monash University, Melbourne (Australia)*
2009 – 2012 **Associate Professor**, *Department of Economics, Universidad EAFIT, Medellín (Colombia)*
2005 – 2008 **Assistant Professor**, *Department of Economics, Universidad EAFIT, Medellín (Colombia)*

Publications: Selection

- [*] Jetter, M. Mahmood, R., Parmeter, C. & **Ramírez-Hassan, A.**. 2022. "Post-Cold War civil conflict and the role of history and religion: A stochastic search variable selection approach" **Economic Modelling**. 114, 1–14.
- [*] **Ramírez-Hassan, A.** & Graciano-Londoño, M. 2021. "A GUIDed tour of Bayesian regression" **R Journal**. 13 (2), 135–152.
- [*] Jacobi, L. Nghiem, N., **Ramírez-Hassan, A.** & Blakely, T. 2021. "Food Price Elasticities for Policy Interventions: Estimates from a Virtual Supermarket Experiment in a Multistage Demand Analysis with (Expert) Prior Information" **Economic Record**. 97 (319), 457–490.

- [*] Martin, G., Loaiza-Maya, R., Frazier, D., Maneesoonthorn, W. & **Ramírez-Hassan, A.** 2021. "Optimal probabilistic forecasts: When do they work?" **International Journal of Forecasting**, 38 (1), 384–406.
- [*] Puerta, A. & **Ramírez-Hassan, A.** 2021. "Promoting academic honesty: a Bayesian causal analysis of an integrity pilot campaign?" **Education Economics**. Online.
- [*] **Ramírez-Hassan, A.** 2021. "Bayesian estimation of the EASI demand system: Replicating the Lewbel and Pendakur (2009) results" **Journal of Applied Econometrics**, 36 (4), 484–491.
- [*] **Ramírez Hassan, A.** & Carvajal, D. 2021. "Regressor selection uncertainty in Internet adoption: a developing city case". **Utilities Policy**, 70.
- [*] **Ramírez Hassan, A.** & Guerra, R. 2021. "Treatment effects due to a subsidized health insurance program: A Bayesian ordered potential outcome analysis". **Empirical Economics**, 60, 1477-1506.
- [*] Sanchez, J., Restrepo, D. & **Ramírez Hassan, A.** 2021. "Inefficiency and Bank Failures: A Joint Bayesian Estimation of a Stochastic Frontier Model and a Hazards Model". **Economic Modelling**, 95, 344–360.
- [*] **Ramírez Hassan, A.** & Guerra, R. 2020. "Optimal portfolio choice: A minimum expected loss approach". **Mathematics and Financial Economics**, 14, 97-120.
- [*] **Ramírez Hassan, A.** & Blandón Montoya, S. 2020. "Forecasting from others' experience: Bayesian Estimation of the Generalized Bass Model". **International Journal of Forecasting**, 36 (2), 442-465.
- [*] **Ramírez Hassan, A.** 2019. "Dynamic variable selection in dynamic logistic regression: an application to Internet subscription" **Empirical Economics**, 59, 909-932.
- [*] Serna Rodríguez, M., **Ramírez Hassan, A.** & Coad, A. 2019. "Uncovering value-drivers of high performance soccer players" **Journal of Sports Economics**, 20 (6), 819-849.
- [*] **Ramírez Hassan, A.** & Correa Giraldo, M. 2019. "Focused econometric estimation for noisy and small datasets: A Bayesian Minimum Expected Loss estimator approach". **Australian and New Zealand Journal of Statistics**, 61 (3), 360-379.
- [*] **Ramírez Hassan, A.** & Blandón Montoya, S. 2019. "Welfare gains of the poor: An endogenous Bayesian approach with spatial random effects" **Econometric Reviews**, 38 (3), 301-318.
- [*] **Ramírez Hassan, A.** & Pantoja, J. 2018. "Co-movements between Latin American and U.S. stock markets: convergence after the financial crisis?" **Latin American Business Review**, 19 (2), 157–172
- [*] **Ramírez Hassan, A.** & Pericchi, R. 2018. "Effects of prior distributions: An application to piped water demand" **Brazilian Journal of Probability and Statistics**, 32 (1), 1–19.
- [*] **Ramírez Hassan, A.** & Graciano Londoño, M. 2017. "Profiting from the English Premier League: Predictive Elicitation, the Kelly Criterion and Black Swans" **International Journal of Sport Finance**, 12, 386–395.
- [*] Mejia, J. & **Ramírez Hassan, A.** 2017. "Proposing a new measure of distance in the gravity setting: evidence from Latin America" **Economía Aplicada**, 21 (1), 135–148.
- [*] **Ramírez Hassan, A.** 2017. "The interplay between the Bayesian and frequentist approaches: a general nesting spatial panel data model" **Spatial Economic Analysis**, 12 (1), 92–112.

- [*] **Mejía, S. & Ramírez Hassan, A.** 2016. “Determining the Optimal Selling Time of Cattle: A Stochastic Dynamic Programming Approach” **Agricultural Economics**, 62 (11), 517–527.
- [*] Jetter, M. & **Ramírez Hassan, A.** 2015. “Want export diversification? Educate the kids first” **Economic Inquiry**, 53 (4), 1765–1782.
- [*] Jetter, M., Montoya Agudelo, A. & **Ramírez Hassan, A.** 2015. “The effect of democracy on corruption: Income is key” **World Development**, 74, 286–304.
- [*] **Ramírez Hassan, A.** & Cardona Jiménez, J. & Cadavid Montoya, R. 2013. “The impact of subsidized health insurance on the poor in Colombia: evaluating the case of Medellín” **Economía Aplicada**, 17 (4), 543–556.
- [*] **Ramírez Hassan, A.** 2013. “A Multi-Stage Almost Ideal Demand System: The Case of Beef Demand in Colombia” **Revista Colombiana de Estadística**, 36 (1), 23–42.
- [*] **Ramírez Hassan, A.** & Cadavid Montoya, R. & Garcia Pelaez, S. 2011. “Desempeño de las Empresas y Factores Institucionales en Colombia, 2002-2007 (Performance of Companies and Institutional Arrangements in Colombia, 2002-2007)” **Revista de Economía Institucional**, 13 (25), 179–198.

Publications: Submitted

- [*] Garcia, G., **Ramírez-Hassan, A.**, Saravia, S., Duque, J. & Londoño, D. 2021. “What kind of schools parents choose when they have more options? Effects of school transport subsidies” Submitted to Socio-Economic Planning Sciences.

Software: Developer

- [*] @ll BEsmarter: Graphical user interface to perform Bayesian inference in microeconomic models, 2018 (alpha version).
- [*] APLICACION WEB DASHBOARD DE COMUNIDADES FINANCIERAS, 2019. Register 13 75 58
- [2] Portfolio Selection MELO: Graphical user interface to estimate stock weights in optimal portfolio theory, 2017 (alpha version).
- [1] GUIBAYFIXESPD: Graphical user interface to estimate Bayesian fixed effects spatial panel data models, 2016. Register 13 56 277.

Conferences and Seminars: Selection

- 2022 **Ramírez-Hassan, A.** & López-Vera, A. “Welfare implications of a tax based on a semi-parametric specification of the incomplete EASI demand system” Paper presented at the Asian Meeting of the Econometric Society, The Chinese University of Hong Kong, Shenzhen, China.
- 2021 Jacobi, L., Kwok, C., **Ramírez-Hassan, A.** & Nghiem, N. “Beyond Local and Pointwise Prior Sensitivity: Assessing prior dependence in MCMC inference via sensitivity manifolds over prior parameter regions” Paper presented at the International Association for Applied Econometrics, Rotterdam, The Netherlands.
- 2020 Jacobi, L., Kwok, C., **Ramírez-Hassan, A.** & Nghiem, N. “Beyond Local and Pointwise Prior Sensitivity: Assessing prior dependence in MCMC inference via sensitivity manifolds over prior parameter regions” Paper presented at NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, St. Louis, USA.

- 2019 **Ramírez Hassan, A.** “Dynamic variable selection in dynamic logistic regression: an application to Internet subscription” Paper presented at RIMINI Center Workshop in Bayesian Econometrics, Larnaca, Cyprus.
Ramírez Hassan, A., & Guerra, R. “Treatment effects due to a subsidized health insurance program: A Bayesian ordered potential outcome analysis” Paper presented at LAMES, Puebla, Mexico.
- 2018 **Ramírez Hassan, A.** & Correa, M. “Focused econometric estimation for noisy and small datasets” Paper presented at International Society for Bayesian Analysis, Edinburgh, Scotland.
 Frazer, D., **Ramírez Hassan, A.**, Martin, G & Forbes, C. “Divergence-based forecast combinations” Paper presented at Seminar series for the Department of Economics at the University of Melbourne, Melbourne, Australia.
- 2017 **Ramírez Hassan, A.** & Correa, M. “Focused Econometric Estimation: The interplay between the Bayesian and frequentist approaches” Paper presented at Bayes on the beach, Gold Coast, Australia.
Ramírez Hassan, A. & Guerra, R. “Treatment effects due to a subsidized health insurance program: a Bayesian ordered potential outcome analysis” Paper presented at Fourth Conference of the International Association for Applied Econometrics, Sapporo, Japan.
- 2016 **Ramírez Hassan, A.** “The interplay between the Bayesian and frequentist approaches: a general nesting spatial panel data model” Paper presented at NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, Philadelphia, USA.
Ramírez Hassan, A. & Correa, M. “Focused Econometric Estimation: The interplay between the Bayesian and frequentist approaches” Paper presented at Latin American and Caribbean Economic Association, Medellín, Colombia.
- 2015 **Ramírez Hassan, A.** & Montoya Blandón, S. “Welfare gains of the poor: An endogenous Bayesian approach with spatial random effects” Paper presented at Second Conference of the International Association for Applied Econometrics, Thessaloniki, Greece.
Ramírez Hassan, A. & Montoya Blandón, S. “Welfare gains of the poor: An endogenous Bayesian approach with spatial random effects” Paper presented at NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, St. Louis, USA.
- 2014 **Ramírez Hassan, A.** & Cardona Jiménez, J. “A Bayesian approach based on betting odds for an ex ante prediction of the 2014 FIFA World Cup” Paper presented at First Conference of the International Association for Applied Econometrics, London, United of Kingdom.
Ramírez Hassan, A., & Cardona Jiménez, J. “A Bayesian approach based on betting odds for an ex ante prediction of the 2014 FIFA World Cup” Paper presented at Latin American and Caribbean Economic Association, Sao Paulo, Brazil.
- 2013 Jetter, M. & **Ramírez Hassan, A.** “Want export diversification? Educate the kids first” Paper presented at Third Global Accounting, Finance and Economics Conference, Melbourne, Australia.
 Jetter, M. & **Ramírez Hassan, A.** “Want export diversification? Educate the kids first” Paper presented at Latin American and Caribbean Economic Association, Mexico city, Mexico.

Grants

- 2019 Inter American Development: AUD 115,000

Consultancy: Selection

- [6] Salary gap between public teachers and other professions, 2021.
- [5] Spatio-temporal forecasting of water consumption. Empresas Públicas de Medellín, 2019–2020.
- [4] Statistical models to calculate risks in Public-Private Partnerships. Medellin city council, 2015.
- [3] Spatio-temporal forecasting of water consumption. Empresas Públicas de Medellín, 2010–2015.
- [2] Econometric models to forecast natural gas consumption. Empresas Públicas de Medellín, 2012–2014.
- [1] A multi stage demand system to forecast cookies demand. NUTRESA, 2012.

Reviewer: Selection

- Empirical economics
- Comparative political studies
- Utilities policy
- Spatial economic analysis
- Emerging markets finance and trade
- Energy Economics

Teaching

- Bayesian Econometrics
- Microeconometrics
- Time Series
- Econometrics
- Macroeconometrics
- Financial Econometrics

Econometrics Software

- R
- Stata
- MATLAB
- Eviews

Languages

- Spanish (native)
- English (fluent)

Hobbies

- Beach Volleyball: Colombian National Team 2001-2014

Referees

- Gael Martin**
- Professor Department of Econometrics and Business Statistics, Monash University, Melbourne, Australia.
 - Monash University: Director PhD in Econometrics and Business Statistics.
 - Email: Gael.Martin@monash.edu

- Liana Jacobi**
- Associate Professor Department of Economics, the University of Melbourne, Melbourne, Australia.
 - Research Fellow IZA Institute of Labor Economics, Bonn, Germany.
 - Email: ljacobi@unimelb.edu.au

- Michael Jetter**
- Associate Professor Department of Economics, the University of Western Australia, Perth, Australia.
 - Research Fellow IZA Institute of Labor Economics, Bonn, Germany.
 - Email: michael.jetter@uwa.edu.au
- Peter J. Diggle**
- Royal Statistical Society: President, 2014–2016.
 - Lancaster University: Distinguished University Professor in Combining Health Information, Computation and Statistics, a research group within the Lancaster Medical School.
 - University of Liverpool: Professor of Epidemiology and Statistics in the Institute of Infection and Global Health.
 - Chair, UK Medical Research Council's Strategic Skills Fellowships Panel.
 - Adjunct Professor in the Department of Biostatistics at Johns Hopkins University School of Public Health.
 - Adjunct Professor in the Department of Biostatistics at Yale University School of Public Health.
 - Email: p.diggle@lancaster.ac.uk
- Luis R. Pericchi**
- Professor Department of Mathematics and Computer Science, University of Puerto Rico, Puerto Rico, USA.
 - Adjunct Professor in the Department of Statistics at Universidad Nacional de Colombia, Medellín, Colombia.
 - Email: luis.pericchi@upr.edu